

TABLES



Table 1. Chronological Summary of Events Important to the Delta

Year	Activity
The following reclamation, water management, and legislative activities greatly influenced and shaped the current Delta system of waterways and islands:	
1849	Settlers began arriving in the Delta to farm its rich soils. The majority of the Delta was marsh land prior to subsequent reclamation and conversion to agricultural lands.
1850	Congress passed the Federal Swamp and Overflow Act, which provided for the title of wetlands to be transferred from the federal government to the states.
1861	The California Legislature authorized the State Reclamation District Act. As a result of state and federal legislation, swamp and overflow land was sold and reclaimed for agricultural use by construction of levees. The Delta was transformed from a large tidal marsh to a system of improved channels and levees by the early 1900s.
1880	By now most of the Delta has been reclaimed.
1884	Discharge of hydraulic mining debris into California rivers declared illegal.
1902	Congress passed the Reclamation Act for development of irrigated lands in the western United States.
1911	The Reclamation Board was created by the California Legislature.
1933	Congress authorized the Central Valley Water Project (CVP).
	The Stockton Deep Water Ship Channel, which extends from the confluence of the Sacramento and San Joaquin Rivers to the City of Stockton, was completed.
1940	The Contra Costa Canal, which exports water from the south Delta to the Bay Area, was completed. This was the first unit of the CVP that used existing channels to convey water through the Delta for export.
1944	Shasta Dam and Reservoir, a key feature of the CVP used to capture and store water, was completed. This project provided additional water to Delta channels during low-flow periods.
1951	The Delta-Mendota Canal, which exports water from the Delta via the Tracy Pumping Plant to the San-Joaquin Valley, was completed. This unit of the CVP increases exports from the Delta.
	The Delta Cross Channel, which aids transfer of water from the Sacramento River across the Delta to the Tracy Pumping Plant, was completed.
1959	The Delta Protection Act was enacted by the California Legislature to protect, conserve, develop, control, and use the waters of the Delta for the public good.
1960	Voters approved the State Water Resources Development Bond Act (also known as the Burns-Porter Act) to help finance the initial facilities of the State Water Project (SWP). These facilities included master levees, control structures, channel improvements, and appurtenant facilities in the Delta that are used for water conservation, water supply in the Delta, transferring water across the Delta, and flood and salinity control.
	The Sacramento River Flood Control Project, authorized by Congress, was completed by the U.S. Army Corps of Engineers. This project incorporated and improved certain Delta levees to provide improved flood control for a portion of the Delta. These levees are commonly referred to as "project" levees.

Table 1. Chronological Summary of Events Important to the Delta (Continued)

Year	Activity
1963	The Sacramento Deep Water Ship Channel, which extends from the confluence of the Sacramento and San Joaquin Rivers, was completed.
1967	<p>Oroville Dam and Reservoir, which provides increased channel flows during low-flow periods, was completed. This is a key feature of the SWP and includes the Feather River Fish Hatchery to replace spawning areas lost as a result of the dam.</p> <p>The first stage of the Harvey O. Banks Delta Pumping Plant, another unit of the SWP, was completed along with the John E. Skinner Fish Facility. Diversions began from the Delta to the California and South Bay Aqueducts of the SWP.</p> <p>Construction of Clifton Court Forebay located in the south Delta began. This unit of the SWP facilitates export of water from the Delta.</p>
1971	The State Water Resources Control Board adopted Delta Water Rights Decision 1379, establishing Delta water quality standards to be met by the CVP and SWP.
1973	The California Legislature recognized that the Delta levee system benefits many segments and interests of the public and approved a plan to preserve the Delta levee system. The Delta Levee Maintenance Subvention Program (Senate Bill [SB] 541) was enacted to provide state funding and technical assistance for maintenance and rehabilitation of non-project Delta levees.
1976	The California Legislature adopted a conceptual plan for improvement of Delta levees (the Nejedly-Mobley Delta Levees Act). The plan for improvement of the Delta levees, as set forth in California Department of Water Resources (DWR) Bulletin No. 192, dated May 1975, was approved as the conceptual plan to guide the formulation of projects in order to preserve the integrity of the Delta levee system.
1986	<p>Congress passed the DWR and U.S. Bureau of Reclamation historic accord, the CVP-SWP Coordinated Operation Agreement.</p> <p>The California Supreme Court confirmed the State Water Resources Control Board's broad authority and discretion over water rights and water quality issues in the Bay/Delta system, including jurisdiction over the federal CVP.</p>
1988	<p>Barker Slough Pumping Plant, which provides water from the northwest Delta for the North Bay aqueduct, was completed.</p> <p>Suisun Marsh salinity control gates, which aid in controlling water quality in the marsh for protection of waterfowl, were completed.</p> <p>SB 34, the Delta Flood Protection Act of 1988, was enacted, creating the Special Flood Control Project Program for eight islands in the western Delta and the towns of Thornton and Walnut Grove. This act amended the Delta Levee Maintenance Subventions Program and established a special account in the California Water Fund for appropriation by the Legislature for mitigation activities.</p>
1991	Environmental Mitigation and Protection Requirements (SB 1065 and Assembly Bill [AB] 360) were enacted, amending the Delta Flood Protection Act of 1988. Sections were added to the California Water Code to establish coordination between the Resources Agency, DWR, the Reclamation Board, and the Department of Fish and Game to ensure that flood protection activities resulted in no net loss of riparian, wildlife, or fishery habitat.

Table 1. Chronological Summary of Events Important to the Delta (Continued)

Year	Activity
1992	<p>The Delta Protection Act of 1992 established the Delta Protection Commission. The Commission has developed a regional, comprehensive long-term resources management plan for the Delta to protect, maintain, and, where possible, enhance and restore the overall quality of the Delta environment. The act acknowledges that agricultural land in the Delta is of significant value, including its function of providing open space and habitat for waterfowl using the Pacific Flyway. All local general plans for areas in a designated Primary zone and within the boundaries of the Delta are required to be consistent with the Delta Protection Commission regional plan.</p> <p>Congress passed the Central Valley Project Improvement Act (Public Law [PL] 102-575).</p>
1994	State and federal agencies and representatives signed the Bay-Delta Accord.
1995	The CALFED Bay-Delta Program was initiated.
1996	Proposition 204, the Safe, Clean, Reliable Water Supply Act was approved by the voters to fund a variety of Delta improvements and local programs that were designed to address California water needs, including Delta levee system improvements.

Table 3. Delta Levee Inventory

No.	Reclamation District	Island/Reclamation District	Total Levee Miles ^a	Total Project Levee Miles ^b	Total Non-Project Levee Miles ^c	Total Non-Project Levee Miles up to PL 84-99 Standard	Total Flooded/ Other Levee Miles ^d	Total Eligible Levee Miles ^e
1	556	Andrus, Upper; RD 556	11.7	11.2	0.5	0	0	0.5
2	2028	Bacon; RD 2028	14.3	0	14.3	0	0	14.3
3		Bear Creek	2.5	2.5	0	0	0	0
4		Bethany	5.2	0	5.2	0	5.2	0
5		Bethel Island MID	11.5	0	11.5	0	0	11.5
6	2042	Bishop; RD 2042	7.8	0	7.8	7.8	0	0
7		Bishop East	0.6	0	0.6	0.6	0	0
8	2121	Bixler; RD 2121	6.2	0	6.2	6.2	0	0
9	404	Boggs Dist; RD 404	5.3	4.1	1.2	1.2	0	0
10		Borrow Pond Area	2	0	2	0	2	0
11	756	Bouldin; RD 756	18	0	18	0	0	18
12	2033	Brack; RD 2033	10.8	0	10.8	0	0	10.8
13		Browns Island (T)	0	0	0	0	0	0
14	2059	Bradford; RD 2059	7.4	0	7.4	7.4	0	0
15	2067/317/407	Bran.-Andrus LMD	29.4	19.3	10.1	0	0	10.1
16	800	Byron; RD 800	19.3	0	19.3	19.3	0	0
17	2098	Cache Haas; RD 2098	12.1	12.1	0	0	0	0
18	2086	Canal Ranch; RD 2086	9.6	0	9.6	0	0	9.6
19		Chippis Island	2.6	0	2.6	0	2.6	0
20		Clifton Court (F)	9.2	0	9.2	0	9.2	0
21		Collinsville	1.1	0	1.1	0	1.1	0
22	2117	Coney; RD 2117	5.4	0	5.4	0	0	5.4
23	2111	Deadhorse; RD 2111	2.6	0	2.6	0	0	2.6
24		Delta Mendota	2.1	0	2.1	0	2.1	0
25		Decker	4.1	0	4.1	0	4.1	0
26		Drexler	4	0	4	0	0	4
27	536/2084	Egbert; RDs 536 and 2084	10.6	10.6	0	0	0	0
28	813	Ehrheart; RD 813	4.7	0	4.7	0	4.7	0
29	2029	Empire; RD 2029	10.5	0	10.5	0	0	10.5

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30	773	Fabian; RD 773	18.8	0	18.8	0	0	18.8
31	2113	Fay; RD 2113	1.6	0	1.6	0	0	1.6
32		Frank, Little (F)	3.5	0	3.5	0	3.5	0
33	1002	Glanville; RD 1002	13	0	13	0	0	13
34	765	Glide; RD 765	1.7	1.7	0	0	0	0
35	3	Grand; RD 3	28.8	28.8	0	0	0	0
36	2126	Harbor Cove (Atlas); RD 2126	1.9	0	1.9	0	0	1.9
37	1609	Harveys; RD 1609	12.4	0	12.4	0	12.4	0
38	2060	Hastings; RD 2060	16	16	0	0	0	0
39	2025	Holland; RD 2025	11	0	11	0	0	11
40	999	Holland Land; RD 999	33.4	33.4	0	0	0	0
41	2116	Holt Station; RD 2116	0.4	0	0.4	0.4	0	0
42	799	Hotchkiss; RD 799	6.3	0	6.3	0	0	6.3
43	830	Jersey; RD 830	15.6	0	15.6	0	0	15.6
44	2038	Jones, Lower; RD 2038	9	0	9	0	0	9
45	2039	Jones, Upper; RD 2039	9.3	0	9.3	0	0	9.3
46	2085	Kasson; RD 2085	6.2	6.2	0	0	0	0
47		Kimball Island	1.9	0	1.9	0	1.9	0
48	2044	King; RD 2044	9.1	0	9.1	0	0	9.1
49	369	Libby McNeil; RD 369	1.9	0.8	1.1	0	0	1.1
50	2093	Liberty; RD 2093	14.5	0	14.5	0	14.5	0
51	307	Lisbon; RD 307	6.6	6.6	0	0	0	0
52	2118	Little Mandeville (F); RD 2118	4.5	0	4.5	0	4.5	0
53		Los Medanos	5.6	0	5.6	0	5.6	0
54		Maintenance Area 9	19.6	19.6	0	0	0	0
55	2027	Mandeville; RD 2027	14.3	0	14.3	0	0	14.3
56	2110	McCormack-Williamson; RD 2110	8.8	0	8.8	0	8.8	0
57	2075	McMullin; RD 2075	7.5	7.5	0	0	0	0
58	2030	McDonald; RD 2030	13.7	0	13.7	0	0	13.7

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59	2041	Medford; RD 2041	5.9	0	5.9	0	0	5.9
60	150	Merritt; RD 150	18.1	18.1	0	0	0	0
61	2021	Mildred (F); RD 2021*	7.3	0	7.3	0	7.3	0
62		Montezuma Flats	1.9	0	1.9	0	0	0
63		Montezuma Island	0.4	0	0.4	0	0.4	0
64	2107	Mossdale 2; RD 2107	4.2	4.2	0	0	0	0
65	1007	Naglee Burke; RD 1007	8.3	0	8.3	0	0	8.3
66	348	New Hope; RD 348	18.6	0	18.6	0	0	18.6
67		Oakley	6.7	0	6.7	0	6.7	0
68	2024	Orwood; RD 2024	6.3	0	6.3	0	0	6.3
69	2036	Palm; RD 2036	7.5	0	7.5	0	0	7.5
70	2095	Paradise; RD 2095	4.9	4.9	0	0	0	0
71	2058	Pescadero; RD 2058	9.2	6.7	2.5	0	0	2.5
72	2104	Peters; RD 2104	8.4	8.4	0	0	0	0
73	551	Pierson; RD 551	14	6.8	7.2	7.2	0	0
74	1667	Prospect; RD 1667 (F)	10	2.9	7.1	0	7.1	0
75	2090	Quimby; RD 2090	7	0	7	0	0	7
76	755	Randall; RD 755	1.9	1.9	0	0	0	0
77	2037	Rindge; RD 2037	15.8	0	15.8	0	0	15.8
78	2114	Rio Blanco; RD 2114	4.2	0	4.2	0	0	4.2
79	2064	River Junction; RD 2064	11.9	11.9	0	0	0	0
80	684	Roberts, Lower; RD 684	16	0	16	0	0	16
81	524	Roberts, Middle; RD 524	12.7	6.1	6.6	0	0	6.6
82	544	Roberts, Upper; RD 544	15	10.6	4.4	0	0	4.4
83		Rough and Ready*	5.5	0	5.5	0	5.5	0
84	501	Ryer; RD 501	20.6	20.6	0	0	0	0
85		Sacramento Deepwater	26	0	26	0	26	0
86	2074	Sargent Barnhart; RD 2074	6	1.5	4.5	4.5	0	0
87	341	Sherman; RD 341	18.5	9.7	8.8	0	0	8.8

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88		Sherman West (F)	5.5	0	5.5	0	5.5	0
89	2115	Shima; RD 2115	6.6	0	6.6	0	0	6.6
90		Shin Kee	3.6	0	3.6	0	0	3.6
91		SJCFCF Five Mile Slough	1.4	0	1.4	1.4	0	0
92		SJCFCF Fourteen Mile Slough	2	0	2	2	0	0
93		SJCFCF Mosher Slough	4.1	0	4.1	4.1	0	0
94	17	San Joaquin River; RD 17	16.2	16.2	0	0	0	0
95	1614	Smith Tract; RD 1614	2.8	0	2.8	2.8	0	0
96	1608	Lincoln Village West	4.3	0	4.3	4.3	0	0
97		Spinner Island	0.8	0	0.8	0	0.8	0
98	2089	Stark; RD 2089	3.5	2.8	0.7	0.7	0	0
99	38	Staten; RD 38	25.4	0	25.4	0	0	25.4
100	2062	Stewart; RD 2062	12.3	12.3	0	0	0	0
101	349	Sutter; RD 349	12.5	12.5	0	0	0	0
102	548	Terminous; RD 548	21	0	21	0	0	21
103	2108	Tinsley; RD 2108	0	0	0	0	0	0
104	1601	Twitchell; RD 1601	12	2.5	9.5	0	0	9.5
105	563	Tyler; RD 563	22.9	12.2	10.7	0	0	10.7
106	1	Union, East; RD 1	14	1	13	0	0	13
107	2	Union, West; RD 2	16.2	0	16.2	0	0	16.2
108	1607	Van Sickle; RD 1607	3.8	0	3.8	0	3.8	0
109	2065	Veale; RD 2065	5.1	0	5.1	0	0	5.1
110	2023	Venice; RD 2023	12.3	0	12.3	0	0	12.3
111	2040	Victoria; RD 2040	15.1	0	15.1	0	0	15.1
112	554	Walnut Grove; RD 554	4.9	1	3.9	3.9	0	0
113	2094	Walthall; RD 2094	3.3	3.3	0	0	0	0
114	2026	Webb; RD 2026	12.9	0	12.9	0	0	12.9
115	828	Weber; RD 828	1.7	0	1.7	1.7	0	0
116		West Island	3	0	3	0	3	0

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117	900	West Sacramento; RD 900	13.6	13.6	0	0	0	0
118	2096	Wetherbee; RD 2096	0.2	0.2	0	0	0	0
119	2122	Winter; RD 2122	4.8	0	4.8	0	0	4.8
120	2072	Woodward; RD 2072	8.8	0	8.8	0	0	8.8
121	2119	Wright-Elmwood; RD 2119	7.1	0	7.1	0	0	7.1
122	2068	Yolano; RD 2068	8.7	8.7	0	0	0	0
123		Yolo Bypass Unit 4	3.6	3.6	0	0	0	0
Total Miles			1,116	384.6	731.7	75.5	148.3	506.0

NOTES:

From Corps' 1993 System Final Report - Lower Sacramento.

Includes Corps' estimate for project levee repairs.

Discrepancies in the Delta levee inventory and the cost estimate are being investigated.

^a Total Levee Miles - Length of levees in the legal Delta.

^b Total Project Levee Miles - Length of federal project levees.

^c Total Non-Project Levee Miles - Non-project levees included in the Subventions Program. Includes Direct Agreement levees.

^d Total Flooded Levees - Islands or tracts that are permanently flooded or tidal and the levees are not being maintained. Other Levees - Non-Project levees maintained and operated by either a private entity or the Corps, U.S. Bureau of Reclamation, Navy, or DWR.

^e Total Eligible Levee Miles - Non-project levees that are not up to PL 84-99 standards and are not flooded or maintained by a private or federal entity.